```
SHOW FILES
File    6:NTIS 1964-2006/Jul W4
          (c) 2006 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2006/Jul W4
          (c) 2006 Elsevier Eng.  Info. Inc.
File   25:Weldasearch 19662006/Jun
          (c) 2006 TWI Ltd
File   36:MetalBase 1965-20060803
          (c) 2006 The Thomson Corporation
File   63:Transport Res(TRIS) 1970-2006/Jul
          (c) fmt only 2006 Dialog
File   65:Inside Conferences 1993-2006/Aug 04
          (c) 2006 BLDSC all rts. reserv.
File   81:MIRA - Motor Industry Research 2001-2006/Jun
           (c) 2006 MIRA Ltd.
File   94:JICST-EPlus 1985-2006/Apr W4
          (c)2006 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2006/Jul W5
          (c) 2006 FIZ TECHNIK
File 266:FEDRIP 2005/Dec
          Comp & dist by NTIS, Intl Copyright All Rights Res
```

```
Set      Items    Description
S1           0    GRADIENT? AND PIXEL? AND CONTOUR AND (ROAD OR SURFACE OR S-
                  TREET) AND CAMERA?
S2           2    PIXEL? AND CONTOUR? AND (ROAD OR SURFACE OR STREET) AND CA-
                  MERA? AND (GRADIENT? OR SLOPE)
S3           9    PIXEL? AND (CURV? OR CONTOUR?) AND (ROAD OR SURFACE OR STR-
                  EET) AND CAMERA? AND (GRADIENT? OR SLOPE)
S4           7    RD   (unique items)
```

T S2/3,KWIC/1-2

2/3,KWIC/1   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS
(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Cite

1937442 NTIS Accession Number: AD-D017 711/3
Method and Apparatus for Noncontact Surface Contour Measurement
  (Patent)
  Mazumder, J. ; Voelkel, D. D.
  Department of the Navy, Washington, DC.
  Corp. Source Codes: 001840000; 110050
  Report No.: PAT-APPL-8-004 763; PATENT-5 446 549
  Filed 14 Jan 93 patented 29 Aug 95   24p
  Languages: English   Document Type: Patent
  Journal Announcement: GRAI9609
  Supersedes PAT-APPL-8-004 763.
  This Government-owned invention available for U.S. licensing and,
possibly, for foreign licensing. Copy of patent available Commissioner of
Patents, Washington, DC 20231.
  NTIS Prices: Not available NTIS

Method and Apparatus for Noncontact Surface   Contour Measurement
  Light at known angles is impinged onto an object whose contour is to be
measured and a   camera   is used to receive the reflected light which is
then recorded. A computer processes the images mathematically manipulating
them so that surface slopes are known. The slopes are than integrated to
obtain local elevations which represent the object contour . (MM).
  Descriptors: *Reflection; *Light transmission; *Patents; * Contours ;
Fiber optics; Image processing; Laser beams; Surfaces; Cameras ; Slope ;
 Pixels ; Glare

2/3,KWIC/2   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

A

07229205   E.I. No: EIP05038797798
  **Title: Three-dimensional profile measurement of objects with spatially
isolated surfaces by modified temporal phase unwrapping**
  Author: Tian, Ailing; Tomoaki, Makihata; Mitsuo, Takeda; Jiang, Zhuangde
  Corporate Source: Lab. for Mfg. Syst. Eng. Xi'an Jiaotong Univ., Xi'an
710049, China
  Source: Hsi-An Chiao Tung Ta Hsueh/Journal of Xi'an Jiaotong University v
38 n 11 November 2004. p 1196-1198
  Publication Year: 2004
  CODEN: HCTPDW   ISSN: 0253-987X
  Language: Chinese

  ...Abstract: and the temporal variation of the fringe signal is recorded
with charge coupled device (CCD) camera . The phase of the temporal
fringe signal is detected at each pixel by Fourier transform method, and
is temporally phase unwrapped, independently from other pixels . The
temporal frequency of the fringe signal estimated from the time slope of
the unwrapped phase provides the information of the absolute surface
heights of the objects. The measurement technique of objects with large
discontinuities and spatially isolated...
  Descriptors: *Contour measurement; Fourier transforms; Three
dimensional; Charge coupled devices
  ?

4/3/1   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS
(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1937442 NTIS Accession Number: AD-D017 711/3
Method and Apparatus for Noncontact Surface Contour Measurement
  (Patent)
  Mazumder, J. ; Voelkel, D. D.
  Department of the Navy, Washington, DC.
  Corp. Source Codes: 001840000; 110050
  Report No.: PAT-APPL-8-004 763; PATENT-5 446 549
  Filed 14 Jan 93 patented 29 Aug 95   24p
  Languages: English   Document Type: Patent
  Journal Announcement: GRAI9609
  Supersedes PAT-APPL-8-004 763.
  This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of patent available Commissioner of Patents, Washington, DC 20231.
  NTIS Prices: Not available NTIS

4/3/2   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

07313418   E.I. No: EIP05129003043
  Title: **Photogrammetry: A powerful tool for geometric analysis of solar concentrators and their components**
  Author: Pottler, Klaus; Lupfert, Eckhard; Johnston, Glen H. G.; Shortis, Mark R.
  Corporate Source: German Aerospace Center (DLR) Inst. of Technical Thermodynamics Plataforma Solar de Almeria, Tabernas, 04200, Spain
  Source: Journal of Solar Energy Engineering, Transactions of the ASME v 127 n 1 February 2005. p 94-101
  Publication Year: 2005
  CODEN: JSEEDO   ISSN: 0199-6231
  Language: English

4/3/3   (Item 2 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

07229205   E.I. No: EIP05038797798
  Title: **Three-dimensional profile measurement of objects with spatially isolated surfaces by modified temporal phase unwrapping**
  Author: Tian, Ailing; Tomoaki, Makihata; Mitsuo, Takeda; Jiang, Zhuangde
  Corporate Source: Lab. for Mfg. Syst. Eng. Xi'an Jiaotong Univ., Xi'an 710049, China
  Source: Hsi-An Chiao Tung Ta Hsueh/Journal of Xi'an Jiaotong University v 38 n 11 November 2004. p 1196-1198
  Publication Year: 2004
  CODEN: HCTPDW   ISSN: 0253-987X
  Language: Chinese

4/3/4   (Item 3 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

07028867   E.I. No: EIP04388367767
   Title: **Lane boundary detection using an adaptive randomized Hough transform**
   Author: Li, Qing; Zheng, Nanning; Cheng, Hong
   Corporate Source: Inst. of Artif. Intell. and Robotics Xi'an Jiaotong University, Xi'an 710049, China
   Conference Title: WCICA 2004 - Fifth World Congress on Intelligent Control and Automation, Conference Proceedings
   Conference Location: Hangzhou, China   Conference Date: 20040615-20040619
   E.I. Conference No.: 63444
   Source: Proceedings of the World Congress on Intelligent Control and Automation (WCICA) WCICA 2004 - Fifth World Congress on Intelligent Control and Automation, Conference Proceedings v 5 2004.
   Publication Year: 2004
   Language: English

   4/3/5   (Item 4 from file: 8)

06575009   E.I. No: EIP03437687912
   Title: **Comparison of ISOPHOT, DIRBE and IRAS FIR maps in regions of faint cirrus emission**
   Author: Juvela, M.; Mattila, K.; Lemke, D.
   Corporate Source: Helsinki University Observatory University of Helsinki, Helsinki SF-00014, Finland
   Conference Title: The Calibration Legacy of the ISO Mission
   Conference Location: madrid, Spain   Conference Date: 20010205-20010209
   E.I. Conference No.: 61580
   Source: European Space Agency, (Special Publication) ESA SP n 481 May 2003. p 179-182
   Publication Year: 2003
   CODEN: ESPUD4   ISSN: 0379-6566
   Language: English

   4/3/6   (Item 5 from file: 8)

05759354   E.I. No: EIP01015486905
   Title: **Investigations of the influence of oxygen on the surface tension of zirconium by the oscillating drop technique**
   Author: Roesner-Kuhn, M.; Hofmeister, W.H.; Kuppermann, G.; Bayuzick, R.J.; Frohberg, M.G.
   Corporate Source: Technical Univ of Berlin, Berlin, Ger
   Source: Surface Science v 443 n 3 Dec 1999. p 159-164
   Publication Year: 1999
   CODEN: SUSCAS   ISSN: 0039-6028
   Language: English

   4/3/7   (Item 6 from file: 8)

02837133   E.I. Monthly No: EIM8912-048380
   Title: **Shape understanding from Lambertian photometric flow fields.**
   Author: Wolff, Lawrence B.

Corporate Source: Columbia Univ, New York, NY, USA
Conference Title: Proceedings: IEEE Computer Society Conference on Computer Vision and Pattern Recognition
Conference Location: Rosemont, IL, USA   Conference Date: 19890606
E.I. Conference No.: 12468
Source: Proc IEEE Comput Soc Conf Comput Vision Pattern Recognit. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA. Available from IEEE Service Cent (cat n 89CH2724-3), Piscataway, NJ, USA. p 46-52
Publication Year: 1989
Language: English

Refine Search

Search Results -

Terms	Documents
L35 AND L30	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L36

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Saturday, August 05, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L36	L35 AND L30	0	L36
L35	L11 OR L32 OR L34	144	L35
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L34	(5579441 | 4839822 | 5094609 | 4875165 | 5995109 | 5155343 | 5739518 | 4874936 | 5764306 | 5839440 | 5544291 | 4800432 | 5163126 | 5848198 | 5608466 | 5243655 | 5392385 | 5495297 | 5066120 | 5100232 | 5881171 | 5080839 | 5373147 | 5233670 | 5438654 | 5539475 | 5668893 | 5886703 | 5173739 | 5081685 | 5324923 | 4998010 | 5594853 | 4499598 | 4817184 | 5410644 | 5416529 | 5276315 | 4798460 | 4488169 | 5790701 | 5376780 | 4951144 | 5007734 | 5870105 | 5343559 | 4916298 | 4463372 | 5621872 | 5319181 | 5241166 | 5777309 | 5052044 | 5063375 | 5619626 | 4275413 | 5124537 | 4817166 | 5428401 | 5073955 | 5974521 | 5253065 | 5454068 | 5709206 | 5031227 | 4598420 | 5781667 | 5301267 | 3588823 | 5268735 | 6124858 | 5719967 | 5854478 | 5189292)![PN]	74	L34

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=OR

L33	('US 6424430B'| '6097839'| '6313840'| 'US 6097839A'| '6460127'| '5717781'| '4910786'| '6501848'| '6424430'| '6128046'| 'US 4910786A') [ABPN1,NRPN,PN,TBAN,WKU]	1952414	L33
L32	('US 6424430B'| '6097839'| '6313840'| 'US 6097839A'| '6460127'| '5717781'| '4910786'| '6501848'| '6424430'| '6128046'| 'US 4910786A')[URPN]	63	L32
L31	L30 OR 6424430.PN. OR 6097839.PN. OR 4910786.PN.	11	L31
L30	L28 or L29	8	L30
L29	L26 and @pd<=20000414	2	L29
L28	L26 and @ad<=20000414	8	L28
L27	L26 and @ad<=000414	0	L27
L26	(curv$ same (road$ or street$ or path$) same (determin$ or estimat$)) and (gradient$ near3 pixel$)	47	L26
L25	L24 and qualit$	15	L25
L24	L21 and 701/120.ccls.	42	L24
L23	L22 and (qualit$ and indicat$) and (index$ or indices)	1	L23
L22	L21 and l4	1	L22
L21	l17 or l18 or l20	135	L21

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L20	(3534367 | 3872474 | 6006158 | 5574648 | 3737902 | 5216611 | 3614728 | 5740047 | 4197536 | 3159831 | 2514436 | 4719467 | 3623090 | 5670961 | 3803602 | 4179695 | 5913912 | 5075680 | 3868497 | 2972742 | 4196474 | 3747097 | 4319243 | 5189425 | 3808598 | 3310806 | 3870994 | 4516125 | 4979137 | 3766552 | 3668403 | 5623413 | 4213126)![PN]	33	L20

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=OR

L19	('US 6278965B'| 'US 5300933A'| '6278965'| '5300933'| '4196474'| '4706198'| 'US 6161097A')[ABPN1,NRPN,PN,TBAN,WKU]	1952408	L19
L18	('US 6278965B'| 'US 5300933A'| '6278965'| '5300933'| '4196474'| '4706198'| 'US 6161097A')[URPN]	100	L18
L17	L16 or 5300933.pn. or 6278965.pn.	7	L17
L16	L12 and (qualit$ and indicat$) and (index$ or indices)	2	L16
L15	L12 and (qualit$ same indicat$) and (index$ or indices)	1	L15
L14	L12 and (qualit$ with indicat$) and (index$ or indices)	1	L14
L13	L12 and l4	1	L13
L12	l8 or l10 or l11	52	L12

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L11	(3808598 | 3803602 | 3310806 | 3737902 | 3623090 | 3614728 | 3766552 | 3668403)![PN]	8	L11

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=OR

L10	('4196474')[ABPN1,NRPN,PN,TBAN,WKU]	2	L10
L9	l5	1	L9

L8	('4196474')[URPN]	42	L8
L7	L5 and ((index or indices) and (quality with indicat$))	0	L7
L6	L5 and ((index or indices) same (quality with indicat$))	0	L6
L5	L4 and (701/120-122.ccls.)	1	L5
L4	ll or L3	2872	L4
L3	(qualit$ with indicat$) and (index$ or indices) and air$ and @pd<=20020313	1418	L3

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

| L2 | (qualit$ with indicat$) and (index$ or indices) and air$ and @pd<=20020313 | 1545 | L2 |

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=OR

| L1 | (qualit$ with indicat$) and (index$ or indices) and air$ and @ad<=20020313 | 2615 | L1 |

END OF SEARCH HISTORY

Hit List

<u>First Hit</u> | Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs |
| Generate OACS |

Search Results - Record(s) 1 through 10 of 11 returned.

☐ 1. Document ID: US 6501848 B1

L31: Entry 1 of 11   File: USPT   Dec 31, 2002

US-PAT-NO: 6501848
DOCUMENT-IDENTIFIER: US 6501848 B1

TITLE: Method and apparatus for three-dimensional reconstruction of coronary
vessels from angiographic images and analytical techniques applied thereto

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 6460127 B1

L31: Entry 2 of 11   File: USPT   Oct 1, 2002

US-PAT-NO: 6460127
DOCUMENT-IDENTIFIER: US 6460127 B1
** See image for **Certificate of Correction** **

TITLE: Apparatus and method for signal processing

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3. Document ID: US 6424430 B1

L31: Entry 3 of 11   File: USPT   Jul 23, 2002

US-PAT-NO: 6424430
DOCUMENT-IDENTIFIER: US 6424430 B1
** See image for **Certificate of Correction** **

TITLE: Rendering of object's on graphical rendering devices as clipped images

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4. Document ID: US 6313840 B1

L31: Entry 4 of 11   File: USPT   Nov 6, 2001

US-PAT-NO: 6313840
DOCUMENT-IDENTIFIER: US 6313840 B1

TITLE: Smooth shading of objects on display devices

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5. Document ID: US 6128046 A

L31: Entry 5 of 11   File: USPT   Oct 3, 2000

US-PAT-NO: 6128046
DOCUMENT-IDENTIFIER: US 6128046 A

TITLE: Key signal generating apparatus and picture synthesis apparatus, and key
signal generating method and picture synthesis method

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6. Document ID: US 6097839 A

L31: Entry 6 of 11   File: USPT   Aug 1, 2000

US-PAT-NO: 6097839
DOCUMENT-IDENTIFIER: US 6097839 A
** See image for Certificate of Correction **

TITLE: Method and apparatus for automatic discriminating and locating patterns such
as finder patterns, or portions thereof, in machine-readable symbols

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7. Document ID: US 5717781 A

L31: Entry 7 of 11   File: USPT   Feb 10, 1998

US-PAT-NO: 5717781
DOCUMENT-IDENTIFIER: US 5717781 A

TITLE: Ophthalmic lens inspection method and apparatus

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8. Document ID: US 4910786 A

L31: Entry 8 of 11   File: USPT   Mar 20, 1990

US-PAT-NO: 4910786
DOCUMENT-IDENTIFIER: US 4910786 A

TITLE: Method of detecting intensity edge paths

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De`

☐   9.   Document ID: US 6424430 B1

L31: Entry 9 of 11   File: DWPI   Jul 23, 2002

DERWENT-ACC-NO: 2002-672976
DERWENT-WEEK: 200272
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Graphical object rendering method involves extending color borders associated at edges of rendered image

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De`

☐   10.   Document ID: US 6097839 A

L31: Entry 10 of 11   File: DWPI   Aug 1, 2000

DERWENT-ACC-NO: 2000-654984
DERWENT-WEEK: 200063
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Geometric figure identification method for computer based symbol recognition, involves selecting patterns relevant to identified distortion compensated pixels and matching with geometric figures

`Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De`

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
L30 OR 6424430.PN. OR 6097839.PN. OR 4910786.PN.	11

Display Format: `|-`   Change Format

Previous Page   Next Page   Go to Doc#

Hit List

| Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs |
| Generate OACS |

Search Results - Record(s) 11 through 11 of 11 returned.

☐ 11. Document ID: US 4910786 A

L31: Entry 11 of 11   File: DWPI   Mar 20, 1990

DERWENT-ACC-NO: 1990-132012
DERWENT-WEEK: 199017
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Intensity edge path detection method - determining gradient magnitude and image direction in node point array using gaussian weighted gradient operator

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

| Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs | | Generate OACS |

Terms	Documents
L30 OR 6424430.PN. OR 6097839.PN. OR 4910786.PN.	11

Display Format: |- | Change Format |